

## NOTICE OF AIR QUALITY CONFORMITY UPDATE

### Response to Comments

In response to comments received from the US Environmental Protection Agency and the NH Department of Environmental Services, the NH Department of Transportation is updating the *Conformity Determination for Transportation Improvement Programs, Transportation Plans, and Regional Emissions Analysis of Transportation Projects in New Hampshire's Non-attainment Areas*, dated October 6, 2006 to include a Carbon Monoxide Analysis for the Manchester Portion of the Boston-Portsmouth-Manchester 1-hour Nonattainment area.

The NH Department of Transportation proposed amending the Statewide Transportation Improvement Program (STIP) to include two Intelligent Transportation Systems (ITS) projects: Project 10418R in the Town of Salem and Project 10418Z Salem-Manchester-Concord. Project 10418R is Federal ITS earmark funding for Phase 1 Implementation for integration of coordinated traffic signal control, video surveillance, emergency and incident response support and communications for pertaining to Routes NH 28 and I-93. Project 10418Z consists of implementation of incident management and ITS technologies for overall corridor, to improve the efficiency before, during, and after the I-93 construction, extending fiber optic cable into Concord to provide communication for ITS systems from Concord throughout the Salem to Manchester to Concord I-93 corridor.

The Metropolitan Planning Organizations (MPOs) directly affected, Southern NH Planning Commission (SNHPC) and the Salem-Plaistow-Windham MPO, held a 30-day comment period for the changes to their respective Transportation Improvement Plans (TIP) and corresponding air quality analyses. The MPOs approved the amendments to their TIPs, pending successful completion with no negative comments during the Statewide public comment period for the *Conformity Determination for Transportation Improvement Programs, Transportation Plans, and Regional Emissions Analysis of Transportation Projects in New Hampshire's Non-attainment Areas*.

The analysis conducted by the SNHPC, however, did not include an analysis for effects from Carbon Monoxide emissions related to the 10418R project and its extension. The SNHPC has provided the analysis, which updates the *Conformity Determination for Transportation Improvement Programs, Transportation Plans, and Regional Emissions Analysis of Transportation Projects in New Hampshire's Non-attainment Areas* document dated October 6, 2006. The Carbon Monoxide Analysis is shown in the table below:

FY 2005 - FY 2007 SNHPC TIP - Amendment #6  
Salem to Manchester to Concord - 10418Z  
Air Quality Analysis With I-93 ITS Project Credits

CO Analysis for Manchester

Analysis year	Scenario	Average Daily Values		Winter Month Values <sup>1</sup>	
		VMT	CO (Kg/day)	VMT	CO (Kg/day)
2010	Build	2,155,371	29,466	1,961,388	26,814
2017	Build	2,352,804	25,318	2,141,052	23,040
2025	Build	2,575,888	25,238	2,344,058	22,966

Source: SNHPC Air Quality Analysis - TIP Amendment #6, August 2006

<sup>1</sup> A Wintertime VMT adjustment factor of 0.91 is used as instructed by the NHDOT.